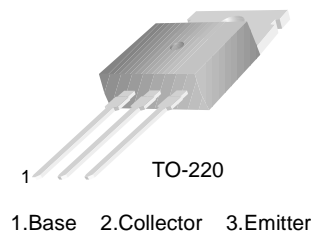


■■■APPLICATION: Low Frequency High Power Amplifier and  
Power Regulator Applications.

■■■MAXIMUM RATINGS (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V <sub>CB0</sub>	80	V
Collector-emitter voltage	V <sub>CEO</sub>	55	V
Emitter-base voltage	V <sub>EBO</sub>	5	V
Collector current	I <sub>C</sub>	3	A
Collector Power Dissipation	P <sub>C</sub>	1.5~25	W
Junction Temperature	T <sub>J</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	- 55~150	°C



■■■ELECTRICAL CHARACTERISTICS

(Ta=25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h <sub>FE</sub>	40		240		V <sub>CE</sub> = 5V, I <sub>C</sub> = 500mA
Collector Cut-off Current	I <sub>CB0</sub>			50	μA	V <sub>CB</sub> = 50V, I <sub>E</sub> =0
Emitter Cut-off Current	I <sub>EBO</sub>			50	μA	V <sub>EB</sub> = 3V, I <sub>C</sub> =0
Collector-Base Breakdown Voltage	BV <sub>CB0</sub>	80			V	I <sub>C</sub> = 0.5mA, I <sub>E</sub> =0
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	55			V	I <sub>C</sub> = 10mA, I <sub>B</sub> =0
Emitter-Base Breakdown Voltage	BV <sub>EBO</sub>	5			V	I <sub>E</sub> = 0.5mA, I <sub>C</sub> =0
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>			1	V	I <sub>C</sub> = 1A, I <sub>B</sub> = 100mA

■■■h<sub>FE</sub> Classification

Classification	R	O	Y
h <sub>FE</sub>	40~80	70~140	120~240